

Claims

1. Bearing arrangement for opposite journals (4) of cylinders (3), rolls or drums having actuators that permit a displacement of the cylinders (3), rolls or drums in a direction perpendicular to an axis of rotation (5) of said cylinders (3), rolls or drums, each of said journals (4) being received in a frame wall (10) via a rotary bearing for being placed against and removed from said frame wall (10), **characterized in that** a centered rotary bearing (6) is received in a bearing housing (1), the bearing housing (1) is arranged through a linear bearing unit (7) on a connecting structure (2) for longitudinal displacement relative to the connecting structure (2), and the connecting structure (2) is connected to the frame wall (10).
2. Bearing arrangement according to claim 1, **characterized in that** the linear bearing unit (7) is composed of a projection (2.1) of the connecting structure (2), which projection (2.1) is V-shaped as seen in cross-section and comprises two first running surfaces (2.1.1), the linear bearing unit (7) being further composed of a correspondingly configured V-shaped recess (1.1) of the bearing housing (1), which recess (1.1) comprises second running surfaces (1.1.1) that are parallel to said first running surfaces (2.1.1), rolling elements (7.1) arranged in an angled flat cage (7.2) roll between said first and second running surfaces, the projection (2.1) and the recess (1.1) being arranged in opposing relationship on upper and lower ends of the connecting structure (2) and of the bearing housing (1).
3. Bearing arrangement according to claim 1, **characterized in that** the linear bearing unit (7) is composed of a projection of the connecting structure (2), which projection has a rectangular shape as seen in cross-section and comprises three first running surfaces, the linear bearing unit (7) being further composed of a correspondingly configured recess of the bearing housing (1), which recess comprises second running surfaces that are parallel to said first

running surfaces, rolling elements arranged in a flat cage roll between said first and second running surfaces, the projection and the recess being arranged in opposing relationship on upper and lower ends of the connecting structure (2) and of the bearing housing (1).

4. Bearing arrangement according to claim 1, **characterized in that** the journals (4) extend through the connecting structure (2), and the connecting structure (2) comprises a slot (2.2) for limiting the linear movement.
5. Bearing structure according to claim 1, **characterized in that** the rotary bearing (6) is configured as a floating bearing or as a fixed bearing.
6. Bearing arrangement according to claim 1, **characterized in that** the rotary bearing (6) is configured as a ball bearing, a cylindrical roller bearing, a self-aligning bearing or a taper roller bearing.
7. Bearing arrangement according to claim 1, **characterized in that** the bearing housing (1) is equipped with a device (8) for displacing the bearing housing (1).
8. Bearing arrangement according to claim 1, **characterized in that** the journals (4) are a part of a printing cylinder that is arranged in a printing machine and cooperates with at least one further cylinder situated in the printing machine.